

What is claimed is:

- 1) A device in a short distance wireless network, comprising:
a processor; and,
5 a memory, coupled to the processor, capable to store a software component for selectively obtaining a cellular network attribute.
- 2) The device of claim 1, wherein the cellular network attribute includes a domain naming service ("DNS") address.
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- 3) The device of claim 1, wherein the cellular network attribute includes a private Internet Protocol ("IP") address for the first terminal.
- 4) The device of claim 1, wherein the communicating includes the first
15 terminal establishing a short-range LAN access profile session with the device.
- 5) The device of claim 1, wherein the software component establishes a cellular data service session responsive to a comparison of a current public IP address and current access point name ("APN") and a previous public IP address and a previous APN,
20 and wherein the software component obtains a domain naming service ("DNS") address using the cellular data service session.
- 6) The device of claim 1, wherein the software component establishes a cellular data service session, and wherein the software component obtains a domain
25 naming service ("DNS") address using the cellular data service session.
- 7) The device of claim 1, wherein the software component establishes a cellular data service session and obtains a domain naming service ("DNS") address in the cellular network responsive to a threshold time value.

8) The device of claim 1, wherein the software provides a first domain naming service ("DNS") address, stored in the device, to the first terminal and obtains a second DNS address in the cellular network using a cellular data service session and provides the second DNS address to the first terminal.

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9) The device of claim 1, wherein the software provides a previous domain naming service ("DNS") address to the first terminal and terminates a connection with the first terminal responsive to a comparison of the previous DNS and a current DNS address obtained from the cellular network using a cellular data service session.

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10) The device of claim 1, wherein the network attribute is obtained using a general packet radio service ("GPRS") in a Global System for Mobile communications ("GSM") cellular network.

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11) The device of claim 1, wherein the short distance wireless network is a Bluetooth™ wireless local area network.

12) The device of claim 1, wherein the short distance wireless network is an 802.11 wireless local area network.

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13) The device of claim 1, wherein the device further includes a short-range LAN Access profile software component.

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14) The device of claim 1, wherein the device is a cellular telephone.

15) A method, comprising the steps of:
generating a first short-range radio message requesting a domain naming service ("DNS") address by a terminal in a short distance wireless network;
receiving by a device in the short-range radio message;

generating a cellular signal, by the device, to obtain a cellular data service in a cellular network;

obtaining, by the device, a domain naming service (“DNS”) address in the cellular network; and

5 generating a second short-range radio message, by the device to the terminal, including the DNS address.

16) A method, comprising the steps of:

10 comparing a current IP address and current access point name (“APN”) to a previous IP address and a previous APN;

generating a cellular signal, by the device, to obtain a cellular data service in a cellular network responsive to the comparing;

obtaining, by the device, a domain naming service (“DNS”) address in the cellular network; and

15 generating a second short-range radio message, by the device to a terminal, including the DNS address.

17) A method, comprising the steps of:

20 measuring an amount of time since a device established a cellular data service session;

comparing the measured amount of time to a threshold value.

generating a cellular signal, by the device in the short distance wireless network, to obtain a cellular data service in a cellular network responsive to the comparing;

25 obtaining, by the device, a domain naming service (“DNS”) address in the cellular network; and,

generating a short-range radio message, by the device to a terminal, including the DNS address.

- 18) A method, comprising the steps of:
generating a first short-range radio message requesting a domain naming service (“DNS”) address by a terminal in a short distance wireless network;
receiving, by a device in the short distance wireless network, the first short-range
5 radio message;
obtaining a first DNS address stored in the device;
generating a second short-range radio message including the DNS address, by the device to the terminal;
generating a cellular signal, by the device, to obtain a cellular data service in a
10 cellular network;
obtaining, by the device, a second DNS address in the cellular network; and
generating a third short-range radio message, by the device to the terminal, including the second DNS address.
- 19) A method, comprising the steps of:
generating, by a terminal in a short distance wireless network, a first short-range radio message requesting a domain naming service (“DNS”) address;
receiving, by a device in the short distance wireless network, the first short-range radio message;
20 obtaining a first DNS address stored in a device;
generating a second short-range radio message including the first DNS address, by the device to the terminal;
generating a cellular signal, by the device, to obtain a cellular data service in a cellular network;
25 obtaining, by the device, a second domain naming service (“DNS”) address in the cellular network;
comparing the first DNS and the second DNS;
terminating communication between the terminal and the device responsive the comparing step;

establishing a communication between the terminal and the device; and,
generating, by the device, a third short-range radio message including the second
DNS address to the terminal

5 20) The method of claim 19, wherein the device is a cellular telephone.

21) The method of claim 19, wherein the cellular network is a Global System
for Mobile communications ("GSM") cellular network and the cellular data service is a
general packet radio service ("GPRS").

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22) The method of claim 19, wherein the short distance wireless network is a
Bluetooth™ wireless local area network.

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23) The method of claim 19, wherein the short distance wireless network is an
802.11 wireless local area network.

24) A system for providing communication between a cellular network and a
short distance wireless network, comprising:

a hand-held wireless device, including:

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a cellular transceiver capable to communicate with the cellular
network, including to receive a domain naming service ("DNS") address
from a cellular data service;

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a short-range transceiver capable to communicate with the short
distance wireless network, including to receive a first short-range radio
message and to generate a second short-range radio message including the
DNS address;

a memory, coupled to the cellular and short-range transceivers,
capable to store a software component to obtain the DNS address; and,

a first wireless device capable to generate the first short-range radio message and to receive the second short-range radio message.

25) A system for providing communication between a cellular network and a short distance wireless network, comprising:

a hand-held wireless device, including:

a cellular transceiver capable to communicate with the cellular network, including to receive a domain naming service ("DNS") address from a cellular data service;

a short-range transceiver capable to communicate with the short distance wireless network, including to generate a first short-range radio message including the DNS address;

a memory, coupled to the cellular and short-range transceivers, capable to store a software component to obtain the DNS address responsive to a comparison of a current cellular network address and current access point name ("APN") and a previous cellular network address and a previous APN; and,

a first wireless device to receive the first short-range radio message.

26) A system for providing communication between a cellular network and a short distance wireless network, comprising:

a hand-held wireless device, including:

a cellular transceiver to communicate with the cellular network, including to receive a domain naming service ("DNS") address from a cellular data service;

a short-range transceiver to communicate with the short distance wireless network, including to generate a short-range radio message including the DNS address;

a memory, coupled to the cellular and short-range transceivers,
capable to store a software component to establish a cellular data service
session and obtaining the DNS address in the cellular network responsive
to a threshold time value; and,
5 a first wireless device to receive the first short-range radio message.

27) A system for providing communication between a cellular network and a
short distance wireless network, comprising:
a first wireless device to generate a first short-range radio message including a
10 a first domain naming service ("DNS") request and to receive a second
short-range radio message including an IP address responsive to the DNS
request; and,
a hand-held wireless device, including:
a cellular transceiver to communicate with the cellular network,
15 including to receive a DNS address from a cellular data service;
a short-range transceiver to communicate with the short distance
wireless network, including to receive the first short-range radio message
and to generate the second short-range radio message;
a memory, coupled to the cellular and short-range transceivers,
20 capable to store a software component to relay the DNS request to the
DNS address using a cellular data service session.

28) A system for providing communication between a cellular network and a
short distance wireless network, comprising:
25 a first wireless device capable to receive a first and a second short-range radio
message; and,
a hand-held wireless device, including:

a cellular transceiver to communicate with the cellular network, including to receive a first and a second domain naming service ("DNS") address from a cellular data service;

5 a short-range transceiver to communicate with the short-range radio network, including to generate the first and the second short-range radio messages including the first and the second DNS addresses, respectively;

10 a memory, coupled to the cellular and short-range transceivers, capable to store a software component to provide a first DNS address to the first wireless device and terminate communication with the first wireless device responsive to a comparison of the first DNS and the second DNS addresses obtained from the cellular network using a cellular data service session.

15 29) The system of claim 28, wherein the first wireless device is selected from a group consisting of a desktop computer, a laptop computer, a personal digital assistant, a headset, a pager, a pen, a printer, a watch, a digital camera and an equivalent.

20 30) An article of manufacture, including a computer readable medium, comprising:

a short-range radio software component to receive a first short-range radio signal in a short distance wireless network;

a cellular software component to provide a communication signal in a cellular network; and,

25 a software component to obtain a domain naming service ("DNS") address in a cellular network responsive to receiving the first short-range radio signal, wherein the short-range radio software component generates a second short range radio signal including the DNS address.